

Environmentally Friendly Lighting Guide for Restaurants




A BRIGHT IDEA:

Replace one incandescent light bulb with a compact fluorescent light (CFL), and save up to \$34 annually in energy costs!

Lighting is approximately 11% of your restaurant's operational costs. Use this resource sheet as a guide to help you save money and benefit the environment

Tips on using CFLs:

-  Not all CFL's are created equal: look for the energy star label to choose the most efficient CFL
- To determine correct wattage, divide the wattage of the incandescent bulb by 4
- CFL's are most cost-effective and efficient in areas where lights are on for long periods of time
- Check temperature ranges on the box: there are models available for outdoor use
- CFL's are typically larger than regular incandescent bulbs: smaller models are available called "sub-CFLs"
- Place CFL's in enclosed fixtures above hoods and other food prep areas
- Do not use CFL's to replace bulbs in areas where lights

MAKE THE SWITCH AND \$AVE



CFL's are smaller versions of standard fluorescent lamps. They consume between 5 and 40 watts, and have brightness and color similar to incandescent (screw in) bulbs. Unlike a standard fluorescent tube, CFL's can directly replace standard incandescent bulbs

Advantages of CFL's over incandescent:

- Last up to 10 times longer
- Uses ¼ of the energy (cost savings!)
- Although the initial cost of a CFL is higher than an incandescent, the energy cost will be 6 to 10 times less for each bulb you replace
- CFL's use 75% less energy than incandescent bulbs
- Over the life of one CFL, you can

A Tale of Two Light Bulbs

COST COMPARISON

Bulb:	Incandescent	Compact Fl.
Watts consumed	75 W	18W
Rated lamp life	750 hrs	10,000 hrs
No. lamps used over 10,000 hrs	13	1
KWh used over 10,000 hrs	750 kWh	180 kWh
Cost per kWh (avg)	\$0.083	\$0.083
Electricity cost per 10,000 hrs	\$62.25	\$14.94
Cost per bulb	\$0.75	\$6 - 14
Bulb cost per 10,000 hrs	\$9.75	\$14
(energy cost)		
Total life-cycle cost:	\$72	\$23-29

EQUAL LIGHT OUTPUT

Incandescent (watts)	CFL (watts)
40	14
60	20
75	25
100	32

Sources:

U.S. Department of Energy Office of Energy Efficiency and Renewable Energy:

<http://www.eere.energy.gov/consumerinfo/refbriefs/ef2.html>;

Montana Pollution Prevention Program:

http://peakstoprairies.org/pdf_Files/Lighti.pdf;

EPA Energy Star: www.energystar.gov/index.cfm?c=lighting.pr_lighting

For more information, contact PACE at 303-441-1183, or visit

www.pacepartners.com